

Claims

1. Drive for displacing and positioning at least two profile parts relative to each other, comprising:
 - 5 - a rotatable drive wheel,
 - a motor coupled to a first profile part and to the drive wheel,
 - a flexible material strip which is rigidly connected on at least one side to a second profile part, which material strip also engages on the drive wheel, and
 - a guide for the flexible material strip connected in at least substantially
 - 10 stationary manner to the first profile part,
 - wherein the distance between the guide and the drive wheel is greater than the distance between the point of engagement of the flexible material strip on the second profile and the drive wheel.
- 15 2. Drive as claimed in claim 1, characterized in that the drive wheel engages substantially without slip on the flexible material strip.
3. Drive as claimed in claim 1 or 2, characterized in that the drive wheel is provided with a toothing.
- 20 4. Drive as claimed in claim 3, characterized in that the flexible material strip is provided with a profiling co-acting with the toothing of the drive wheel.
5. Drive as claimed in any of the foregoing claims, characterized in that the
- 25 flexible material strip is assembled from successive segments with varying material properties.
6. Drive as claimed in any of the foregoing claims, characterized in that at least a part of the flexible material strip is formed by a chain.
- 30 7. Drive as claimed in any of the foregoing claims, characterized in that at least a part of the flexible material strip is formed by a toothed belt.

BEST AVAILABLE COPY

8. Drive as claimed in any of the foregoing claims, characterized in that at least a part of the flexible material strip is formed by hoop-steel.
- 5 9. Drive as claimed in any of the foregoing claims, characterized in that the flexible material strip is connected to a protruding element rigidly connected to the second profile part.
- 10 10. Drive as claimed in claim 9, characterized in that the second profile part engages round the first profile part and the protruding element connected to the second profile part is located in the internal space of the first profile part.
- 15 11. Drive as claimed in any of the foregoing claims, characterized in that the flexible material strip is connected on two sides to the second profile part.
- 20 12. Drive as claimed in any of the foregoing claims, characterized in that the second profile part is provided with an additional guide whereby an additional flexible material strip connected on one side to the first profile part is guided, which strip is connected on the opposite side to a guide connected to the third profile part.
- 25 13. Drive as claimed in claim 12, characterized in that the additional flexible material strip is connected to a protruding element which is rigidly connected to the third profile part.
- 30 14. Drive as claimed in claim 13, characterized in that the third profile part engages round the first and the second profile part, and the protruding element connected to the third profile part is located in the internal space of the first profile part.
15. Drive as claimed in claim 13 or 14, characterized in that the drive wheel is also connected to a pulling element which can be wound round a reel part assembled for this purpose with the drive wheel, such that when the profile parts are retracted the pulling element winds onto the reel part.

16. Drive as claimed in any of the foregoing claims, characterized in that the drive comprises two flexible material strips which are rigidly connected on at least one side to a second profile part, which material strips also engage on the drive wheel, and two guides for the flexible material strips connected in stationary manner to the first profile part.

17. Length-adjustable housing which is assembled from a plurality of relatively displaceable housing parts, with a first housing part to which are connected the motor, the drive wheel and the guide of the drive according to any of the foregoing claims, and at least a second housing part with engaging position for the flexible material strip.

18. Housing as claimed in claim 17, characterized in that the housing forms a telescopic leg.

19. Housing as claimed in claim 17 or 18, characterized in that the housing is provided with operating means for activating the motor forming part of the drive.

20. Article of furniture provided with a plurality of legs in the form of housings as claimed in any of the claims 17-19, characterized in that a plurality of drive wheels are driven synchronously.

21. Article of furniture as claimed in claim 20, characterized in that a plurality of drive wheels in separate legs are driven by a central motor.